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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Confirmation No.: 2354

OMURA et al.

Atty. Ref.: 468-30

Appln. No. 09/914,286

T.C. / Art Unit: 1652

Filed: August 24, 2001

Examiner: N.T. Nashed

FOR: AVERMECTIN AGLYCON SYNTHASE GENES

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INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.97(c)(2)

July 28, 2004

Mail Stop Amendment

U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Further to the Information Disclosure Statement (IDS) filed June 18, 2004, it appears that the fee set forth in Rule 17(p) was omitted. Therefore, attached is Form PTO-1449, which lists the references, previously cited in the Search Report dated May 14, 2004 issued in a related application EP 00905297.8, and the required fee. Copies of the references were submitted on June 18, 2004.

The Official Fee required under 37 CFR § 1.97(c)(2) is filed herewith. Should that fee be missing or inadequate, please charge the deficiency to our Deposit Account No. 14-1140, matter number 468-30 for which purpose this paper is submitted in duplicate.

This IDS is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is earnestly solicited, along with additional time under 37 CFR § 1.97(f), to enable Applicants to comply fully. In particular, if any of the listed documents are missing or incomplete, please contact the undersigned who will provide another copy.

As provided by 37 CFR §§ 1.97(g) and (h), no inference should be made that this information and the listed references are prior art merely because they have been

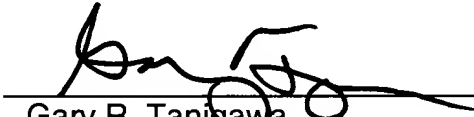
submitted for consideration. Furthermore, no representation is being made that a search has been conducted or that this statement encompasses all possible material information.

Consideration of the foregoing and enclosures, as well as the return of a copy of the Form PTO-1449 with the Examiner's initials per M.P.E.P. § 609, are earnestly solicited. The Examiner is invited to contact the undersigned if any further information is needed.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By: _____


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INFORMATION DISCLOSURE
CITATION

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APPLN. NO.

468-30

09/914,286

APPLICANT

OMURA et al.

FILING DATE

GROUP

August 24, 2001

1652

FOREIGN PATENT DOCUMENTS

TRANSLATION

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
AR WO 01/09155	02/2001	WIPO				
BR WO 00/01827	01/2000	WIPO				
CR 0445460	09/1991	Europe				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

DR	Bevitt et al. "6-deoxyerythronolide-B synthase 2 from <i>Saccharopolyspora erythraea</i> " XP-001005944 Eur. J. Biochem. 204:39-49 (1992)
ER	Cortes et al. "An unusually large multifunctional polypeptide in the erythromycin-producing polyketide synthase of <i>Saccharopolyspora erythraea</i> " XP-002035889 Nature 348:176-178 (1990)
FR	Database Accession No. AB032367 XP-0022769974 (1999)
GR	Database Accession No. L09654 XP-002276973 (1993)
HR	Database Accession No. AF079138 XP-002276971 (1998)
IR	Database Accession No. AF082100 XP-002276972 (1998)
JR	Donadio et al. "Modular organization of genes required for complex polyketide biosynthesis" XP-002035890 Science 252:675-679 (1991)
KR	Ikeda "Genetic analysis of biosynthesis of polyketide anthelmintic macrolide avermectin in <i>Streptomyces avermitilis</i> " XP-001180664 Actinomycetol. 13:94-112 (1999)
LR	Ikeda et al. "Control of avermectin biosynthesis in <i>Streptomyces avermitilis</i> " XP-009029162 J. Antibiotics 48:549-562 (1995)
MR	Motamedi et al. "The biosynthetic gene cluster for the macrolactone ring of the immunosuppressant FK506" XP-000906738 Eur. J. Biochem. 256:528-534 (1998)
NR	Omura et al. "Selective production of specific components of avermectins in <i>Streptomyces avermitilis</i> " XP-009029161 J. Antibiotics 44:560-563 (1991)
OR	Pang et al. "Production of 6,8a-seco-6,8a-deoxy derivatives of avermectins by a mutant strain of <i>Streptomyces avermitilis</i> " XP-009029187 J. Antibiotics 48:59-66 (1995)
PR	Swan et al. "Characterisation of a <i>Streptomyces antibioticus</i> gene encoding a type I polyketide synthase which has an unusual coding sequence" XP-002087278 Mol. Gen. Genet. 242:358-362 (1994)
QR	Search Report dated May 14, 2004 for European Appln. No. 00905297.8
RR	
SR	
TR	
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*Examiner